VIPER ONE™

USER MANUAL

January 20th, 2011

WARNING!!! The ViperONE is designed for applying pretreatment fluid to apparel that will be used for white ink direct-to-garment printing. The User assumes all risks associated with the use of the machine and the fluids run through the ViperONE.

WARNING!!! Disconnect the ViperONE from air supply source and relieve any pressure in the pressure vessel before any servicing of the machine to reduce potential for injury.

SYSTEM SPECIFICATIONS

- Dimensions: Unit Size: 19"W x 26"L x 20"H (49cm x 66cm x 51cm)
- Weight: 47 lbs (22 kg)
- Air Requirements: Air compressor / Air source with minimum 1/2 H.P / 1.4 CFM rate / 1 Gallon tank size

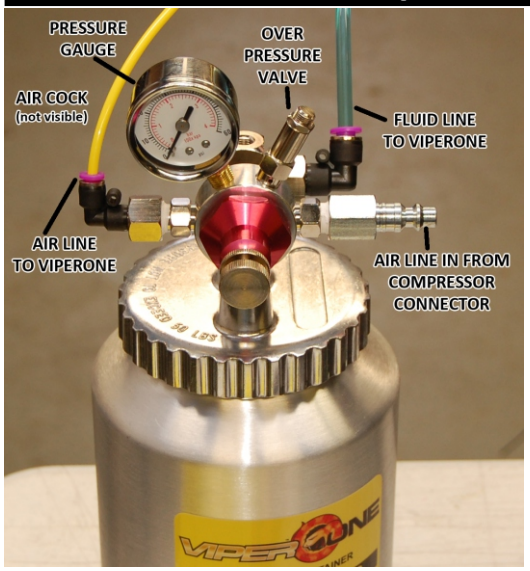
INCLUDED WITH THE ViperONE

ViperONE Pretreater

2 Quart Pressure Container

Accessories Pack
Includes Air & Fluid Line with Filter, Drain tube

SETTING UP THE ViperONE



Connect the included transparent red drain tube to the barb located on the back right corner of the Viper. Place the end of the tube into a container that will collect waste pretreatment.

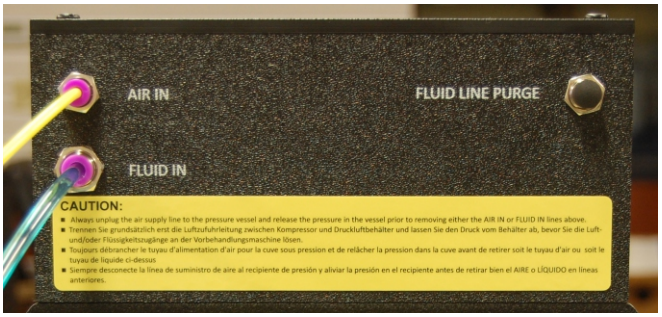
Connect the transparent blue tubing that is included to the fluid output port on the pressure pot. Connect the other end of the tube into the rear of the ViperONE. This tube will only fit into the FLUID IN quick connect on the pressure pot and the Viper pretreatment machine.

Next, connect the yellow air line into the AIR IN quick connects on the rear of the Viper and to the Air Line Output Port on the pressure pot. See Image to the left.

Make sure all the tubes are firmly pressed into the quick connections.

Prior to connecting the air to the pressure pot, fill the pressure pot with pretreatment. DO NOT fill to the top of the pressure pot. Leave at least 1”-2” of air space in the pressure pot. Tightly screw the top back onto the pressure pot.

The pressure pot has an Air Cock pressure release. The opening of the air cock allows for air pressure to escape the pressure pot. Make sure this valve is closed before connecting the Air Line In to the air compressor. Once air pressure is applied to the pressure pot, do not attempt to open. Also, do not attempt to remove the FLUID IN or AIR IN lines from the ViperONE unit or the pressure pot. Once air is disconnected and the air cock is opened to release the pressure in the pressure pot, the canister can easily be open and/or lines disconnected .



Once the airline source is connected, the pressure gauge on the 2 quart container should read between 40-45 psi. The output pressure on the air compressor going to pressure pot should be set to a minimum of 75 psi output.

At this point there should be no air leaking from the pressure pot or inside the Viper pretreatment machine. If you hear air leaking, make sure to tighten any fittings or ensure that the supply tubes are completely seated. Also, ensure that the lid of the pressure pot is securely tightened.

OPERATING THE ViperONE

WHAT IS ON THE CONTROL PANEL?

- **Start Button:** Pressing this button will cause the Viper to spray the shirt. Quickly press and release Start button. Do not hold in.
- **eStop Button:** Depressing this will exhaust all the pressure in the Viper causing all functionality to cease.
- **Spray Adjustment Knob:** The knob is a multi-turn knob. Rotating fully clockwise will completely shut air off to the system and the unit will not run or spray. Turning the knob counter clockwise will increase the speed of the spray head, resulting in less fluid applied to the shirt. See the GRAMS OF LAYDOWN PER NUMBER OF TURNS chart below to select the desired amount.

Adjusting the Spray Length

There is a slot on the right side of the unit with an adjustable knob. This knob can be loosened and moved, then re-tightened. The closer the slide is moved to the front, the shorter the spray length. The further back the location, the longer the spray length.

Loading the Shirt

Loading the shirt onto the platen of the Viper is easy. The shirt collar needs to be located closest to the operator on the platen. It is easiest if you hold the shirt up so that the bottom hem of the shirt drops into the gap between the back of the platen and the front of the enclosure. You can then drag the shirt out and drop the shirt collar into location.

Make sure that the shirt is completely smooth and the edges are tucked under the platen before closing the slide drawer. The shirt will help create a seal that keeps the airborne mist and overspray inside the spray chamber.

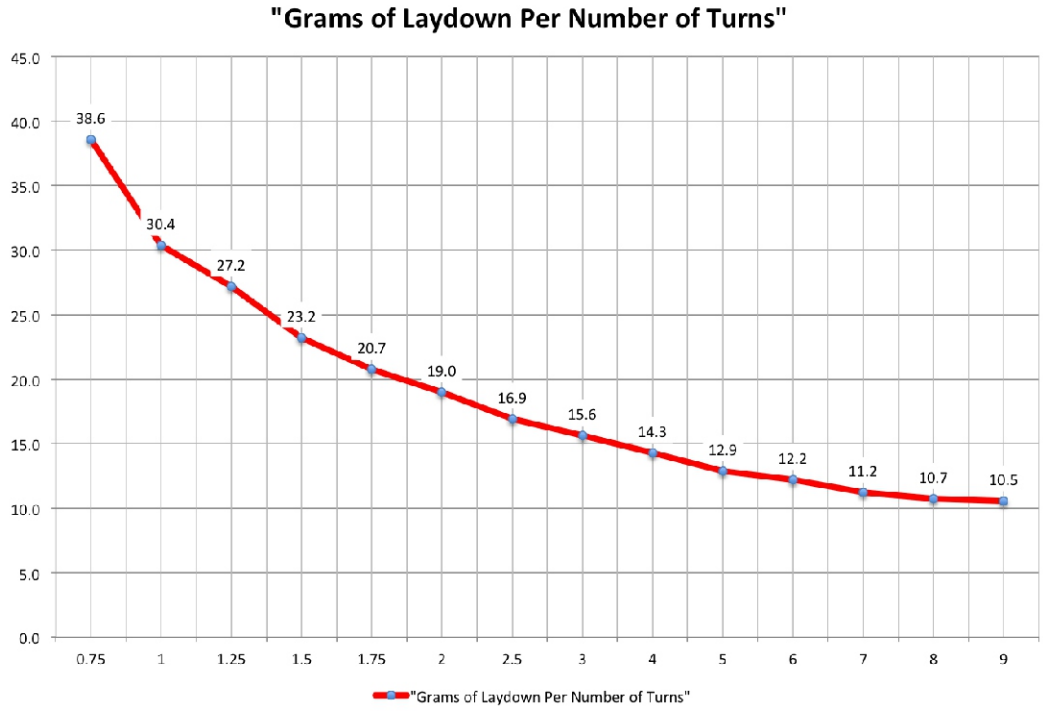
TIP: For loading thicker garments such as sweatshirts, remove the black half-round bar on the front of the platen to allow for more room for the garment to go into the Viper spray chamber without catching.

Spraying the Shirt

Once the shirt is in position, ensure the drawer is completely closed. Quickly press the green START button. Do not hold START button in.

FLUID APPLICATION SPECIFICATIONS

The ViperONE applies fluid to the garment based on how fast the spray head moves. This is a result of how many turns 'open' the SPRAY ADJUSTMENT knob is turned counter-clockwise. Fully closing the knob (by turning it clockwise until slight resistence is met, the knob will not turn anymore) will not allow any spray to be applied. Rotating the knob counter-clockwise will allow air to flow into the cylinder and move the spray head. The slower the spray head moves, the more fluid is applied to the garment. DO NOT OVER TURN OR TIGHTEN WHEN IN FULLY CLOSED POSITION.



These spray values are approximate and will depend on the actual air pressure you have running through your pressure pot. However, at the recommended setting of 40 psi for FLUID settings, the chart is approximate and will help you achieve your end application values. **ALWAYS TEST YOUR SETTINGS PRIOR TO SELLING A FINISHED GARMENT.**

The values listed in this chart are based on a 14"x16" square area and weighed accordingly.

VIPERONE CLEANING INSTRUCTIONS

OUTSIDE BODY: The outside of the ViperONE can be cleaned with Viper Anti-Venom Surface Cleaner or other mild cleaner. Wipe away any pretreatment build up.

SPRAY CHAMBER: The inside of the Viper can be cleaned with warm water. Wipe down the inside walls, inside of windows and the gutter collection system.

PLATEN AND DRAWER SLIDE: The platen and drawer slide of the ViperONE can be cleaned with Viper Anti-Venom Surface Cleaner or other mild cleaner. Wipe away any pretreatment build up.

WASTE COLLECTION CONTAINER: Empty contents according to local waste disposal guidelines or filter pretreatment and re-use if not contaminated or discolored..

MAINTENANCE OF VIPERONE AND PRESSURE POT

DAILY:

- Disconnect the pressure pot from the air supply line coming from the air compressor.
- Release the air pressure in the pressure pot using the air cock.
- Remove pretreatment from the pressure pot and save for use again.
- Wash out pressure vessel with water.
- Fill pressure pot with water.
- Reconnect the entire system and pressurize.
- Place a water bottle or cup under the spray nozzle.
- Press the PURGE BUTTON on the back of the ViperONE spray cabinet. Press the PURGE button and hold for 5 seconds. Repeat 3-5 times.
- Disconnect the pressure pot from the air supply line coming from the air compressor.
- Release the air pressure in the pressure pot using the air cock.
- Remove water from the pressure pot
- Wipe inside of pressure pot dry.

BI-WEEKLY:

- Disconnect the pressure pot from the air supply line coming from the air compressor.
- Release the air pressure in the pressure pot using the air cock.
- Remove pretreatment from the pressure pot and save for use again.
- Wash out pressure pot with water.
- Fill pressure vessel with Anti-Venom Maintenance Solution.
- Reconnect the entire system and pressurize.
- Place a water bottle or cup under the spray nozzle.
- Press the PURGE BUTTON on the back of the ViperONE spray cabinet. Press the PURGE button and hold for 5 seconds. Repeat 5 times.
- Disconnect the pressure pot from the air supply line coming from the air compressor.
- Release the air pressure in the pressure pot using the air cock.
- Remove Anti-Venom from the pressure pot
- Wash out pressure pot with water.
- Fill pressure pot with water.
- Reconnect the entire system and pressurize.
- Place a water bottle or cup under the spray nozzle.
- Press the PURGE BUTTON on the back of the ViperONE spray cabinet. Press the PURGE button and hold for 5 seconds. Repeat 3-5 times. This will clean the Anti-Venom from the system and make it ready to use again.
- Disconnect the pressure pot from the air supply line coming from the air compressor.
- Release the air pressure in the pressure pot using the air cock.
- Remove water from the pressure pot
- Wipe inside of pressure pot dry.

For more detailed information, videos, and troubleshooting make sure to visit our website at

WWW.VIPERXPT.COM